AMENDMENTS TO THE SPECIFICATION

Please insert the following section headings on page 1, after the title and at line 3:

-- BACKGROUND OF THE INVENTION

Field of the Invention --

Please DELETE the word "Description" on page 1, line 4.

Please replace the paragraph on page 1, beginning at line 6, with the following replacement paragraph:

-- The invention relates to a method for simulating musculoskeletal strains on a patient ~~in accordance with the preamble of claim 1~~.

Please insert the following section heading on page 1, at line 9:

-- Description of the Related Art --

Please insert the following section heading at page 2, at line 28:

-- SUMMARY OF THE INVENTION --

Please replace the paragraph on page 3, beginning at line 1, with the following replacement paragraph:

-- The object is achieved by a method for simulating musculoskeletal strains ~~having the features of claim 1~~.

Please replace the paragraph beginning on page 8 at line 4, with the following replacement paragraph:

-- Through the evaluation of the individual musculoskeletal strains, a rehabilitation process can also be evaluated and/or managed~~, for example being able to be recognized~~. Thus, for example, corresponding data can be accessed via the Internet. --

Please replace the paragraph beginning on page 8 at line 33, and continuing on page 9, with the following replacement paragraph:

-- ~~The object is also achieved by a device having the features of claim 23.~~ Such a device can be implemented as a software-assisted and/or hardware-assisted variant in a data-processing installation. This data-processing installation then has a connection to a database with which musculoskeletal strains and/or individual movement parameters can be stored. --

Please DELETE the paragraph on page 9, beginning at line 7 in its entirety.

Please insert on page 9, at line 9, the following section heading:

-- BRIEF DESCRIPTION OF THE DRAWINGS --

Please replace the paragraphs on page 9, beginning at line 10, through line 29, with the following replacement paragraphs:

-- Fig. 1 ~~shows~~is a schematic ~~representation~~view of the method according to the invention in a first embodiment;

Fig. 2 ~~shows~~is a schematic view of the method according to the present invention in a second~~, detailed~~ embodiment;

Fig. 3 ~~shows~~is a schematic view of a section ~~from~~of the method ~~shown in Figure~~of Fig. 2, ~~concerning~~directed to the determination of individual musculoskeletal strains from a database;

Fig. 4 ~~shows~~is a schematic view of a detailed section ~~from~~of the method ~~in Figure~~of Fig. 2, illustrating the calculation of musculoskeletal strains;

Fig. 5 ~~shows~~is a schematic view of a further section ~~from~~of the method ~~in Figure~~of Fig. 2, ~~concerning~~directed to visualization; and

Fig. 6 ~~shows~~is a schematic view of a representation of a possible visualization of musculoskeletal strains according to the present invention.

Please insert the following section heading on page 9, at line 30:

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS --

Please replace the paragraph on page 10, beginning at line 10, with the following replacement paragraph:

-- The ~~determination of the~~ individual musculoskeletal parameters in step 1 can be determined by automatic measurements, which are taken for example from computed tomography, by external measurements of the patient, by movement analyses or by other measurement methods. In addition, or alternatively, anthropometric parameters can be taken over automatically from a navigation system --

Please replace the paragraph on page 15, beginning at line 28, and continuing on page 16, with the following replacement paragraph:

-- Such visualization is shown by way of example in Figure 6. Individual parameters 1 to ~~n~~n can be varied on the basis of the visualization, for example on the basis of a graph representation, on a computer screen with the aid of a slide 500. The value of the respective parameter is shown in a separate display 501. This can, for example, involve an angle or a

distance. The musculoskeletal strain is visualized on the basis of a curve 502 which shows the strains during a walking cycle, for example, or while climbing stairs. --